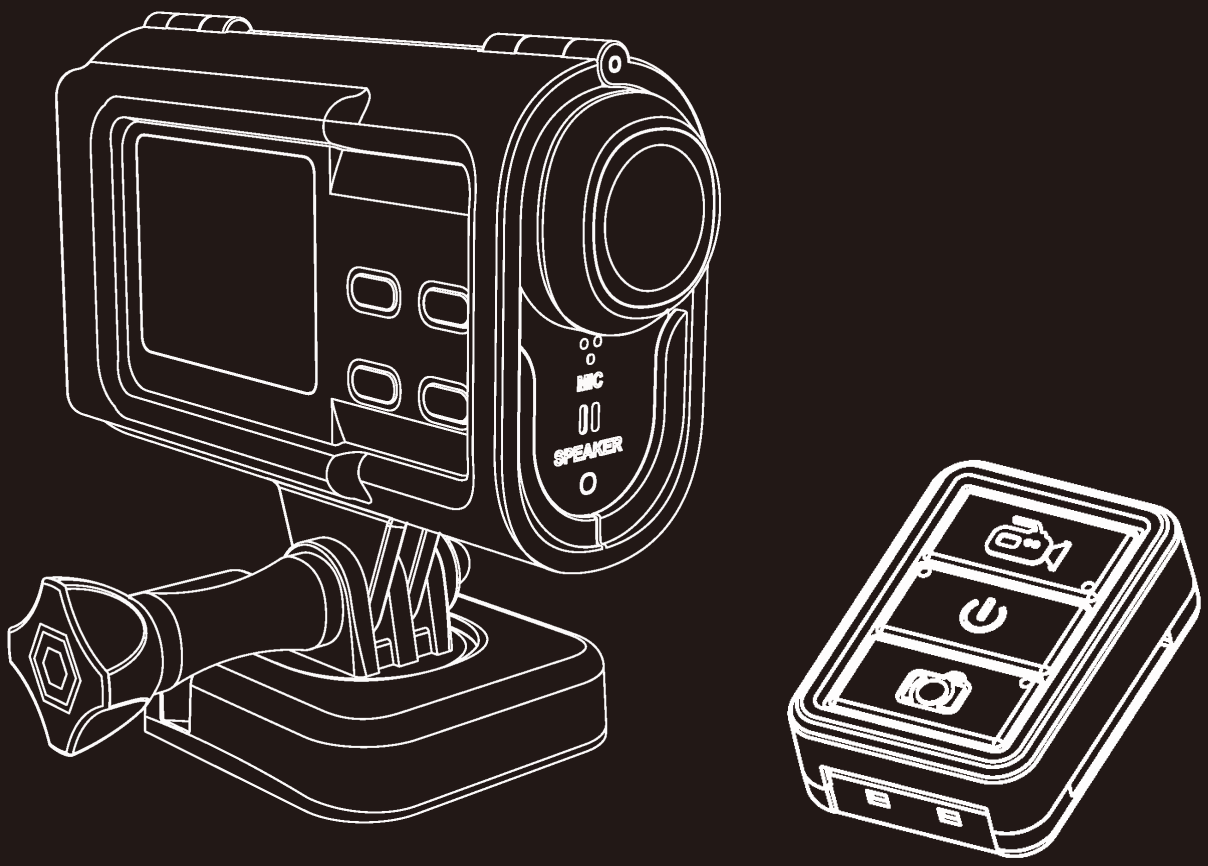
EXCAM



USER MANUAL

Please read the user manual clearly for avoiding any wrong opeartion, current manual is not the newest and not complete, please contact us if any query.

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Note: Press the Color button 2 seconds at the back of waterproof case, camera will Power on and start video Record directly, press once to pause and restart the record, press the button 2 seconds again, the camera will power OFF directly & automatically. 9

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MAIN FEATURE

- 480 x 240 , 1.5" TFT LCD screen
- 5MP HD CMOS sensor
- 170° Super wide angle under 720P, 127° wide angle under 1080P
- Full HD 1080P video, H.264 code compression in MP4 video format, easy to play and edit
- 50M Waterproof, shock proof
- Wireless RF Bidirectional remote controller
- Kinds of video record mode, support take pictures
- 4X Digital Focus under 720P
- Optional video resolution

16：9 FULL HD 1920 x 1080p	30FPS
4：3 FULL HD 1440 x 1080p	30FPS
16：9 HD 1280 x 720p	60FPS
4：3 WVGA 848 x 480	30FPS

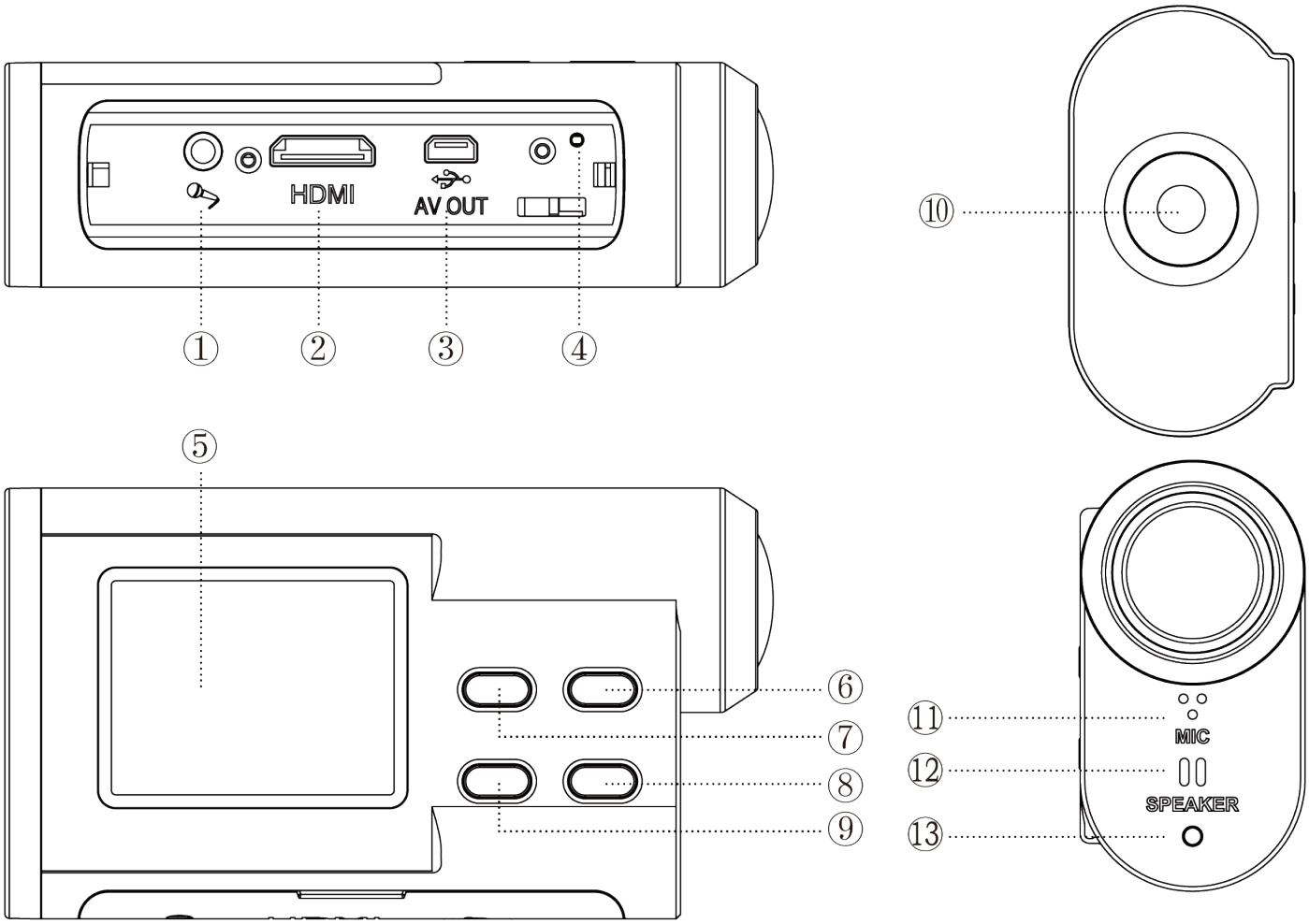
- Optional picture resolution

4000 x 3000	12MP
3200 x 2400	8MP
2592 x 1944	5MP

- AV playback
- Support 64GB TF card max
- High speed USB2.0 for data transfer and power charge, HDMI & RCA output

INSTALL & USE

Camera Buttons



1，MIC input

2，HDMI output

3，USB/RCA video output

4，Power charge indicator

5，1.5” TFT LCD

6，UP/Zoom +

7，Main Menu

8，Down/Zoom -/Remote pair

9，Power On/Capture

10，REC/ Confirm

11， MIC

12， Speaker

13， REC indicator

Remote Controller

Video record

Power

Take picture

Single press the " Power" button on camera to open the remote receiving mode. (Blue indicator on camera will turn on). Press the " Menu" button once to close the remote receiving mode(Blue indicator) for saving power if not use.

1. Long time press (3 Seconds) button to power on or power off the remote controller. The power indicator will turn on to green.

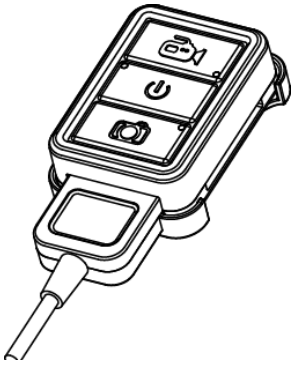
2. Single press button twice to power on the camera, the green indicator will flash, press button again to power off the camera.

3. After the operation above, single press button to start video record, indicator will turn on and flash, single press again to stop video record and video clip will be saved automatically.

4. Take picture, single press the button to take a picture, the indicator beside will flash once during this operation.

NOTE：Here has indicator beside each button, if the REC indicator does not flash, that means the camera is not starting record or remote controller is too far away from the camera to receive signal. (Same as the picture capture feature).

Charge the Remote Controller

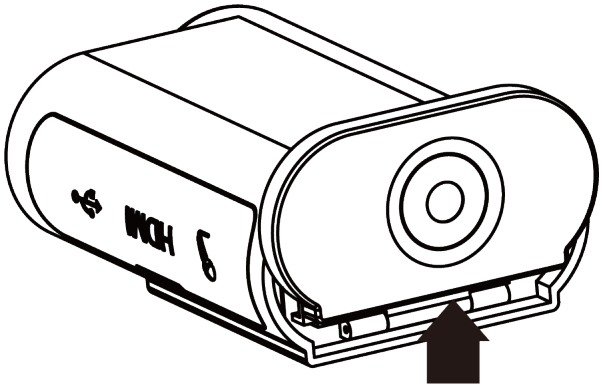


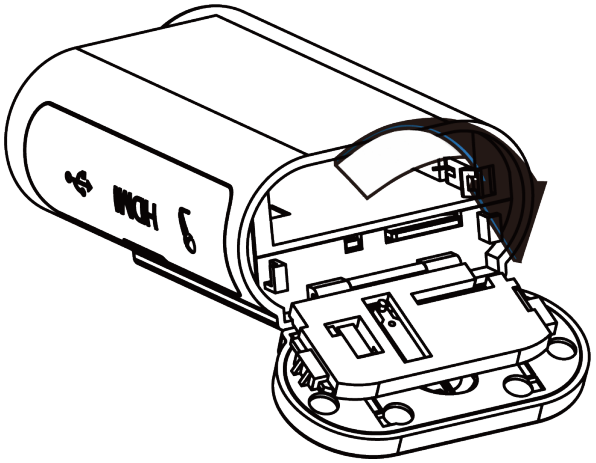
Install the remote controller with the offered charging case, connect to PC USB or DC5V USB charger, the RED indicator beside the power button will turn ON, and will turn OFF after full charged.

Install Battery

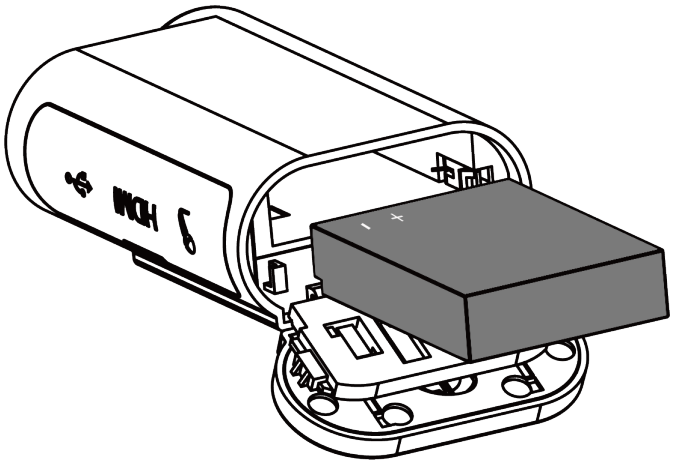
Install the battery correctly as the picture showed below:

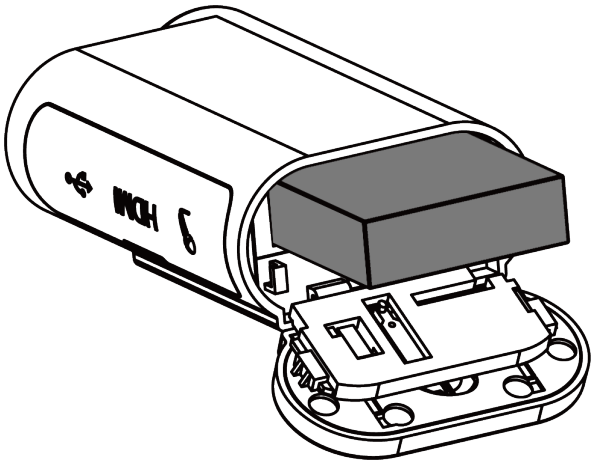
Open the battery cover



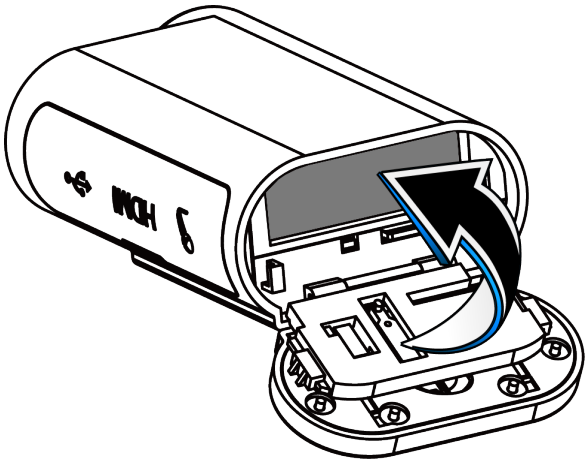


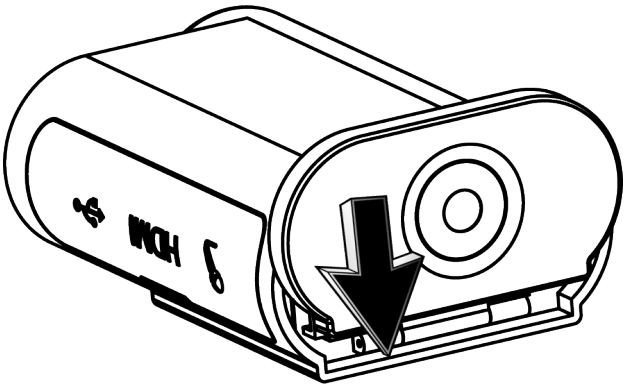
Put the battery into the housing





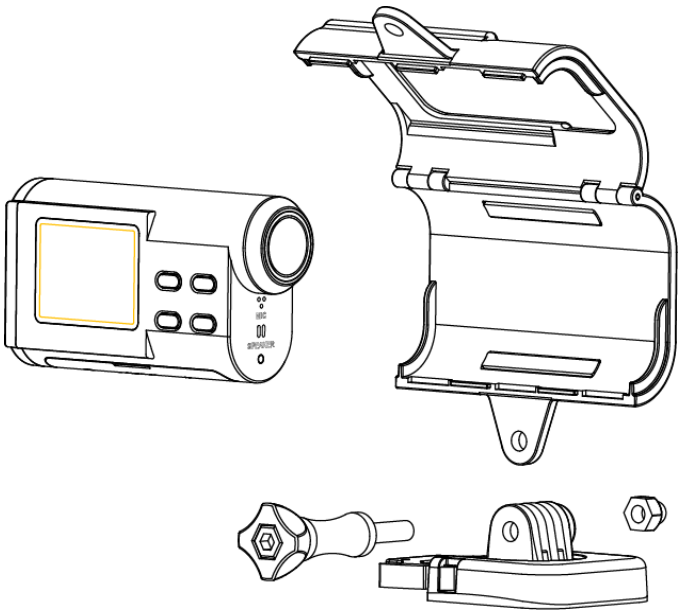
Close the battery door

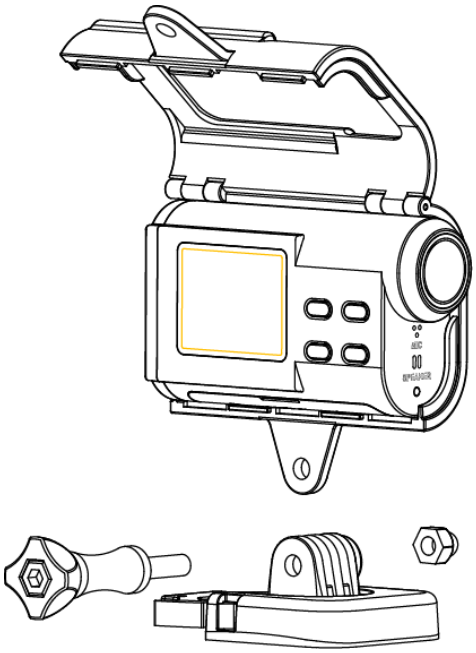


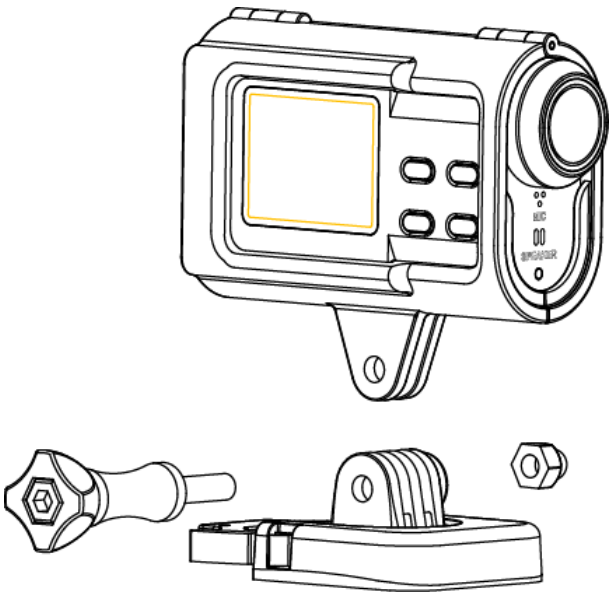


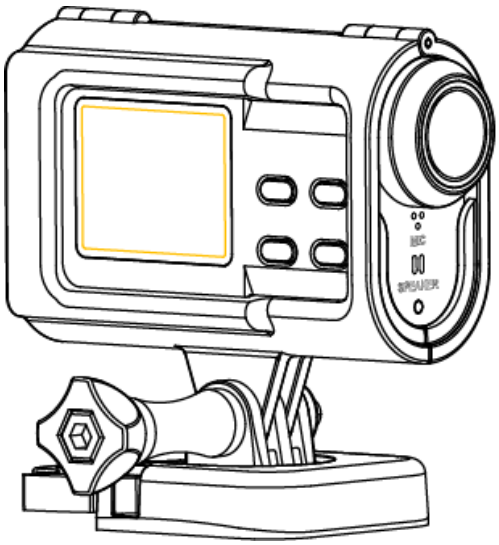
Install Mount

Open the standard mount, and put the camera into it as picture showed below.



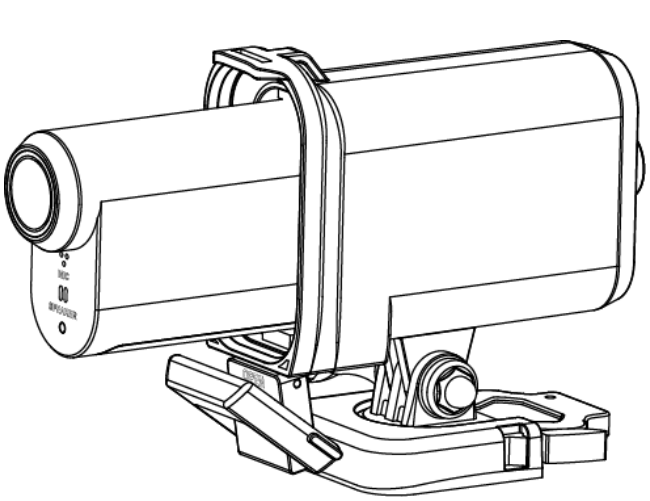


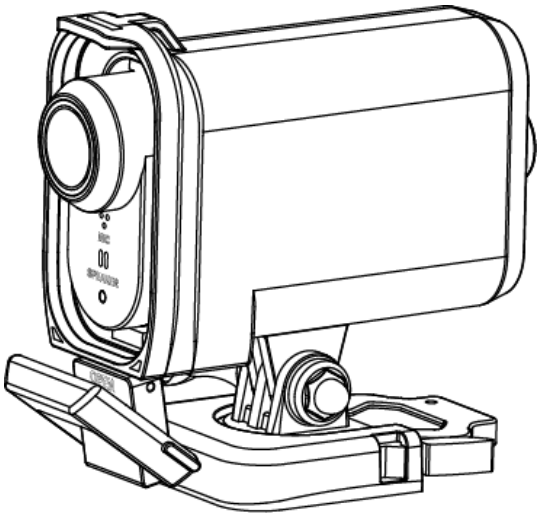




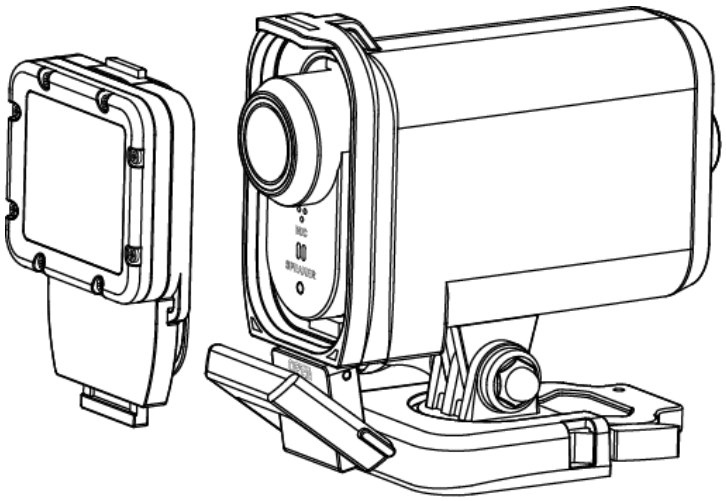
Install Camera to Waterproof Case

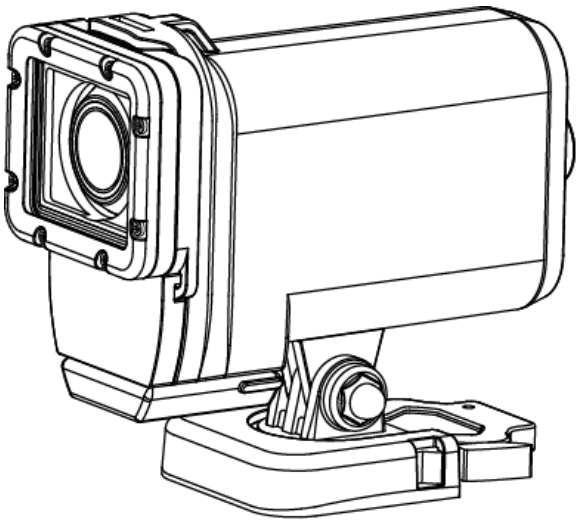
Open the door in front of waterproof case, and put camera into it.





Close the front door

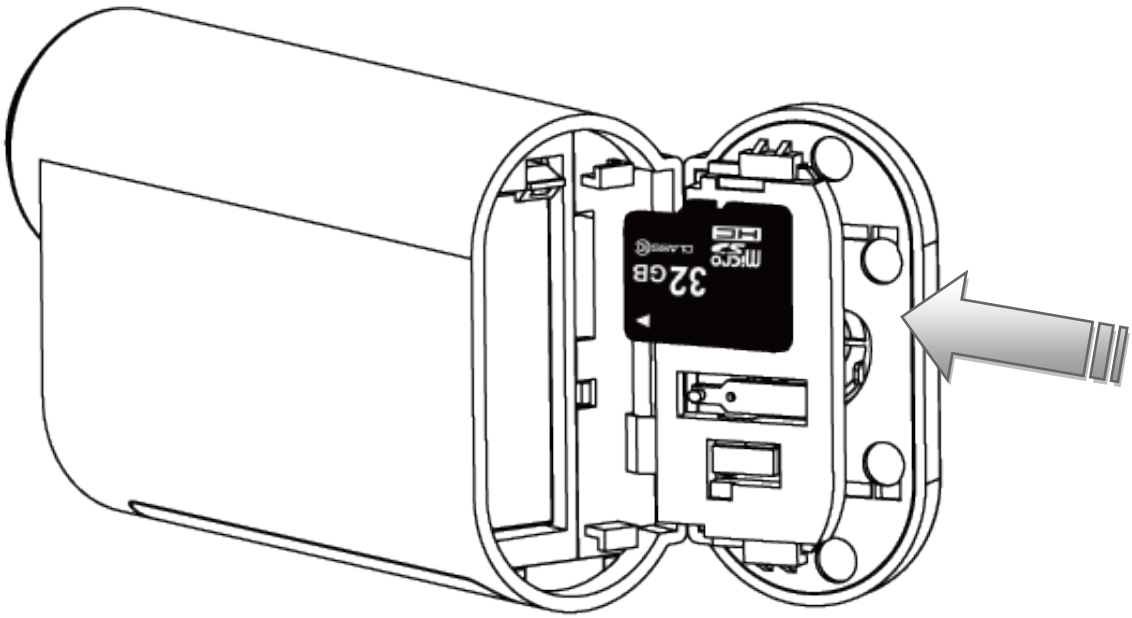




Note: Press the Color button 2 seconds at the back of waterproof case, camera will Power on and start video Record directly, press once to pause and restart the record, press the button 2 seconds again, the camera will power OFF directly & automatically.

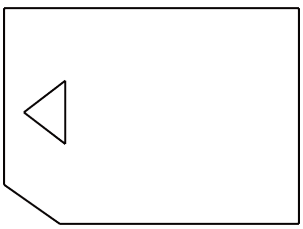
Install Memory Card

a ，Please install the TF card according to the picture showed below:



b ，Camera does not have built in memory, support 1 GB~32GB TF card expand.

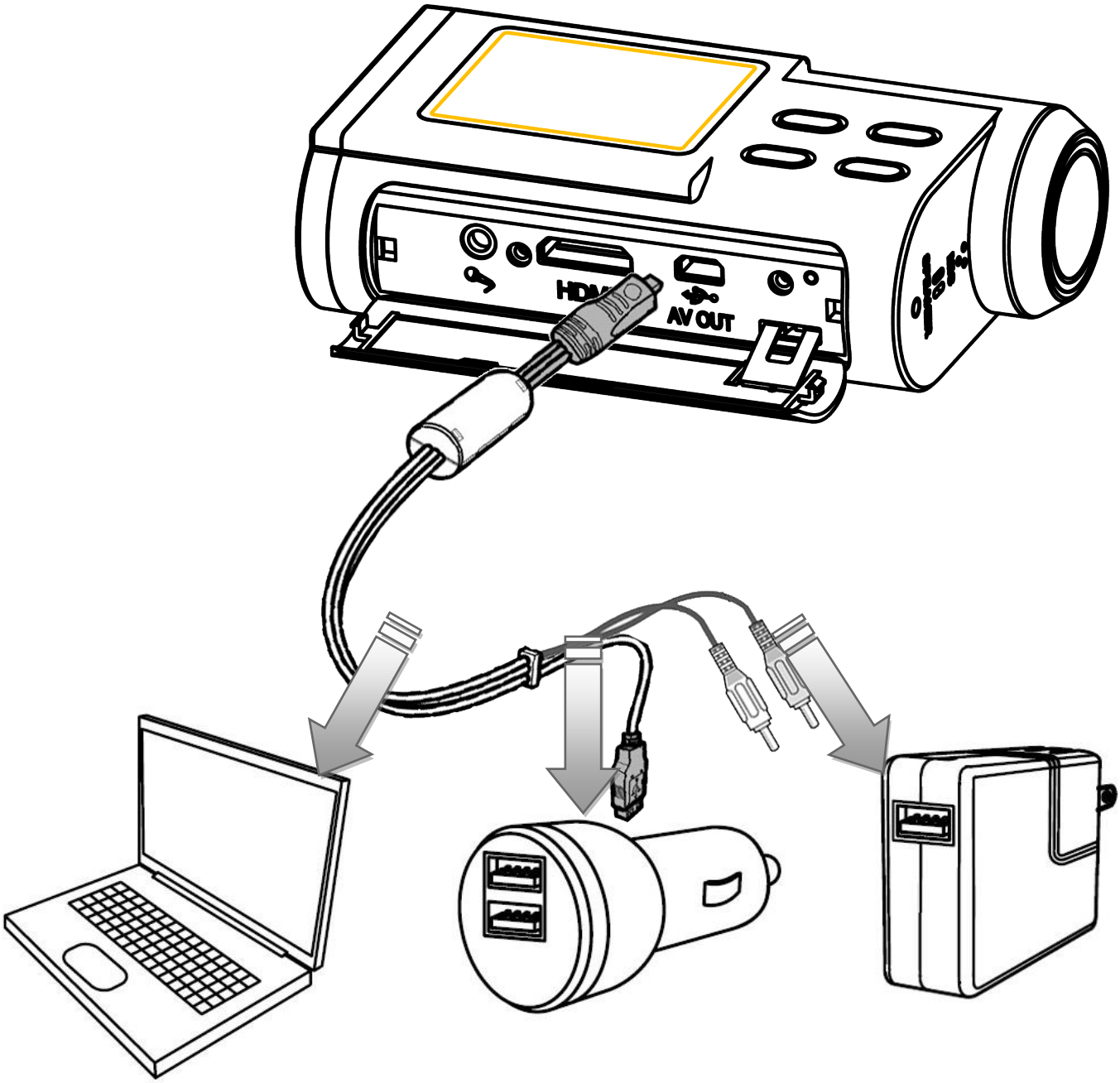
c ，Usable memory could be checked in the system after inserted the TF card.

	There without the card icon on the screen if no TF found
	Screen will display the TF card icon and show the rest memory

ATTENTION:

Please use the original TF card to avoid any Compatibility problem like card error or no card found. It is better to format the memory card in the camera system if first time use.

Camera USB charge



Connect camera with PC or other DC5V charger to charge, USB cable offered with this camera.

The blue LED indicator at the bottom(open the door)will turn ON if camera connected with correct charging device.

Blue LED indicator at the bottom will turn OFF after full charged.

Charging time and using time

Charging Time	Standby	REC time
3.5 Hours under power on (approximately)	3.5 Hours (approximately)	110 Minutes (1080P)
2 Hours under power off (approximately)		

Battery icon

	76% - 100% Power		**36% - 75% Power**
	10% - 35% Power		**< 10% Power**

Note :

a . It is better to uninstall the battery when camera is free.

b . Please do not use up the power completely before charging.

c . It is better to do a full charge operation when first time use the battery.

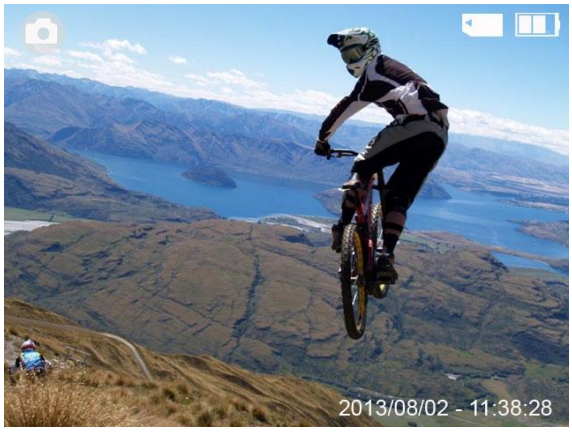
Video record and Taking picture

a . Press 【**POWER**】button to power on the camera, press 【**REC**】button to start record video, REC icon (Red color) will display on the screen.

Press 【**PREV/NEXT**】to adjust the focus under **720P** (Zoom in/Zoom out). Press【**REC**】again to stop video record and video clip will be saved automatically.

b. Camera installed to the waterproof case, long press the【**REC**】button 3 seconds to power on the camera and video record will start at the same time, long press the 【**REC**】 button 3 seconds to stop the video record and camera will power off automatically at the same time.

c . Press 【**POWER**】button to power on the camera, press 【**POWER**】 button again to take a picture, camera icon (Red color) will display on the screen, the icon will return to white color after successfully captured, available to use 【**PREV/NEXT**】 to adjust focus.



The camera can’ t take pictures if installed in the waterproof case, please use remote controller to do this.

Video Playback

Press 【**MENU**】button to enter the main menu, use 【**PREV/NEXT**】to select the video folder, here has a number at the corner to show the quantity of the video clips inside.

Press 【**REC**】button to confirm and enter the folder, the video clips display in thumbnail 2 x 3 .

Use【**PREV/NEXT**】to select the video clip, and press【**REC**】to confirm, press【**REC**】again to play the video.

Picture playback

Press 【**MENU**】 button to enter the main menu, use 【**PREV/NEXT**】to select the picture folder, here has a number at the corner to show the quantity of pictures inside.

Press 【**REC**】button to confirm and enter the folder, the video clips display in thumbnail 2 x 3 .

Use【**PREV/NEXT**】to select the picture, and press【**REC**】to confirm, press 【**REC**】again to view.

Delete files

Long press 【**REC**】button under playback mode, the delete option will display on the screen as below.

Press 【**PREV/NEXT**】button to change option.

No : Will cancel operation and quit

Yes : Will delete selected file

ALL : Will delete all files in the folder

Press 【**REC**】to process the operation

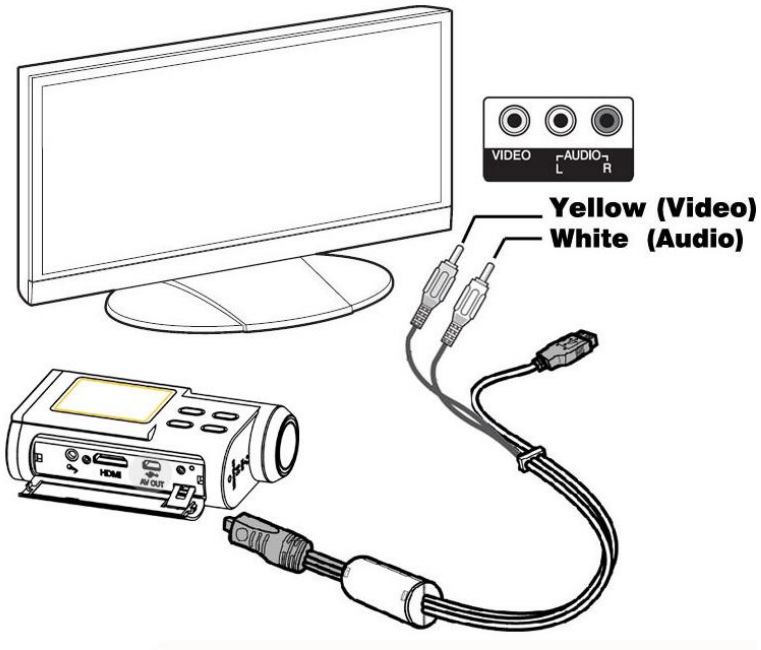
NOTE:

The files can not recovery after delete, please back up in advance.

Camera connect to TV

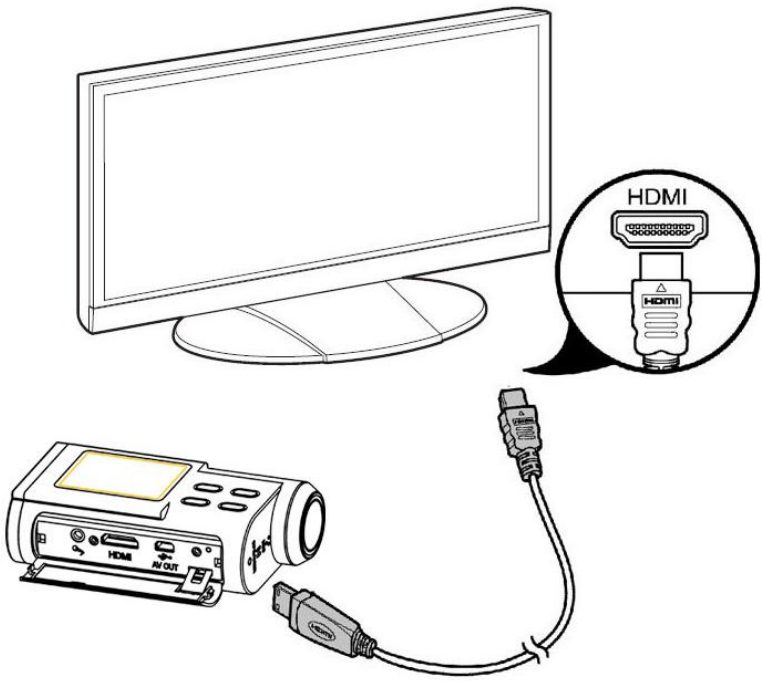
A , USB - **RCA** cable to connect camera with TV

Connect the RCA side to TV (YELLOW-VIDEO ; WHITE-AUDIO), connect the Micro-USB side to camera:



B , Connect with TV by HDMI cable

" HDMI to Micro HDMI " cable is necessary for this operation. Connect the standard HDMI to TV, and Micro-HDMI to camera. Picture below:



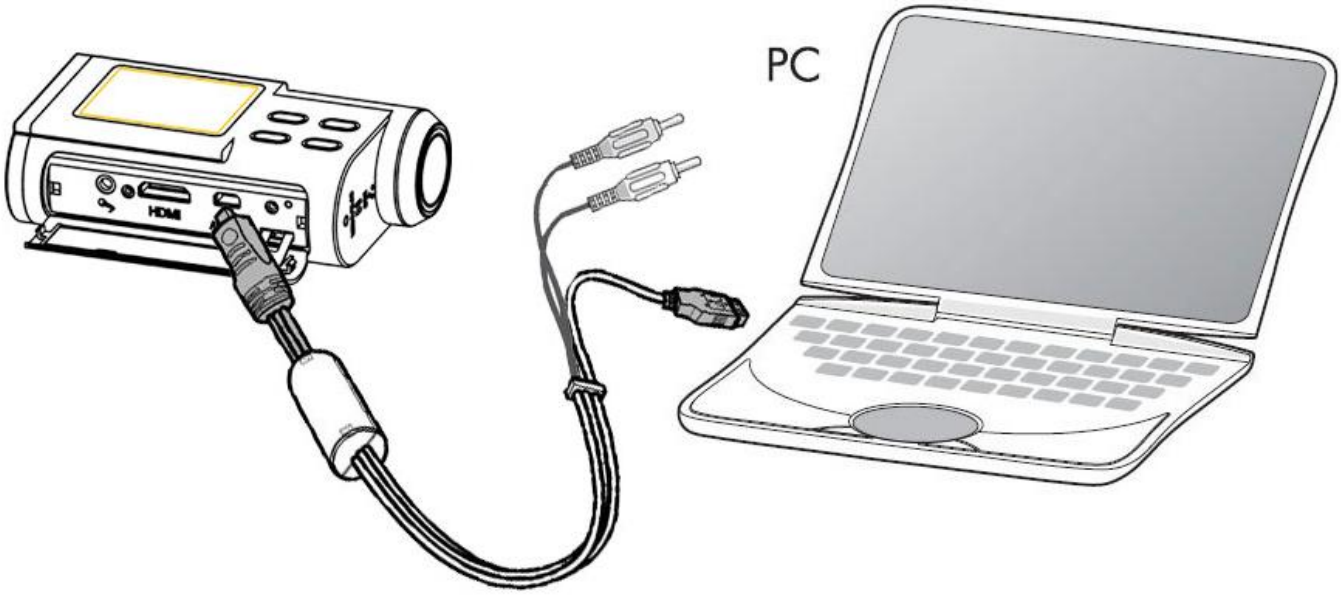
NOTE:

The Max resolution is 1080P when playback by connecting with TV(monitor).

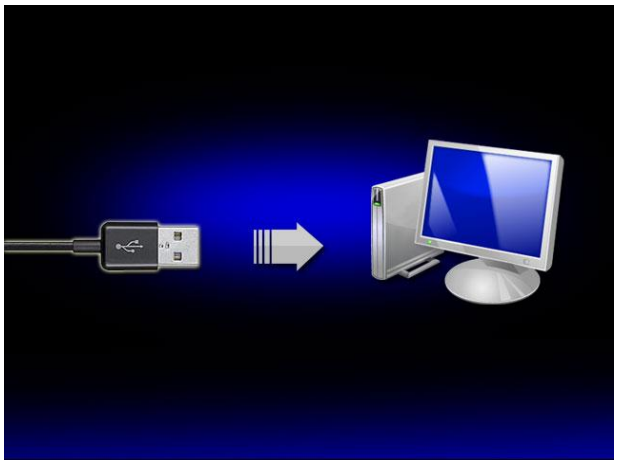
Real-time display output resolution is 480I .

Camera connect to PC

Connect camera with computer by USB cable, transfer the files and power charge.



After connected with computer and power on the camera, the camera screen will display USB connect icon like below:



Under power on state to read the memory card and charge the power.

Under power off state to charge the power only.

SYSTEM MENU

Booting Picture

Icon Instruction

1920x1080	Video size		Record icon
28000M	Available memory		Capture icon
15：33：24	Available time of memory		Continuous shot icon
2010/09/21	System date		Memory card icon
04：27：48	System time		Power indicate

Main Menu

Icon Instruction :

Video folder: Number will display at the corner to show the quantity of video clips

Picture folder: Number will display at the corner to show the quantity of video clips

Video setting: recording and capture settings

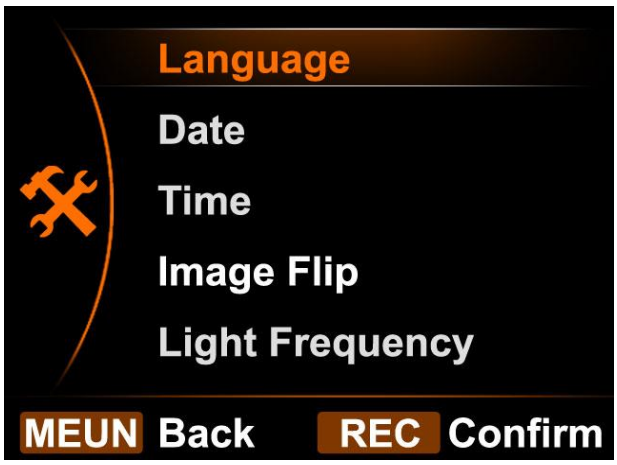
System setting (Language, date & time, format ...etc)

Fast setting

Long press 【**POWER**】button 2 seconds to power on the camera, press 【**MENU**】to enter the main menu, press 【**REC**】 to confirm and enter the system setting menu.

Language setting

Select language menu and press【**REC**】to enter, use【**PREV/NEXT**】 to choose suitable language, then press 【**REC**】again to confirm.



Date & Time setting

Press 【**PREV/NEXT**】to select the option and press 【**REC**】 button to active the setting.

Red color means active setting, press 【**PREV/NEXT**】to change the setting. Press 【**REC**】again to confirm and go to next option.

After settings, press 【**REC**】 to save and quit automatically.

Record Mode setting

Press 【**MENU**】to enter the system menu, press 【**REC**】 to confirm and enter the record setting.

Select “ REC mode” and press【**REC**】to enter the setting.

Press【**PREV/NEXT**】to select and press【**REC**】again to confirm and save the setting automatically**.**

Normal REC： Press the【**REC**】button to start the video record, press 【**REC**】again to stop record, time length of video clip is optional and could be set under “Loop setting”.

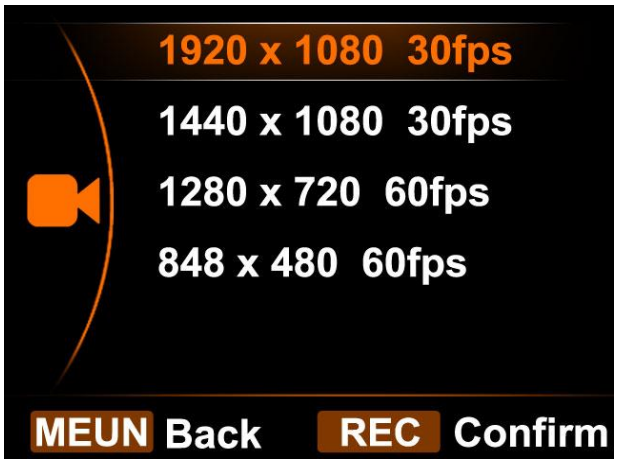
Time Flies：Time flies effect

Motion Detect：The camera will start video record while movement detected face to the lens.

Video Resolution setting

Press【**PREV/NEXT**】 to select, and press【**REC**】to enter the setting.

Select the suitable resolution



RESOLUTION		FRAME RATES	RATIO
1920x1080	FULL HD 1080p	30fps	16 : 9
1440x1080	FULL HD 1080p	30fps	4 : 3
1280x720	HD 720p	60fps	16 : 9
848x480	QVGA	60fps	4 : 3

SPECIFICATION

	ITEM		PERFORMANCE	REMARK
MAIN SPEC	ROM		32MB	
	TF CARD		1-64GB	SDHC SUPPORT
	TFT LCD	SIZE	1.5 INCH	
		RESOLUTION	480x240	
	SENSOR	SIZE	1/2.5 INCH	CMOS
		PIXELS	2592H x 1944V	
	VIDEO	OUTPUT	HDMI/USB	
	AUDIO	MIC	BUILT IN	OPTIONAL
		OUTPUT	HDMI/USB	
		SPEAKER	BUILT IN	
	INTERFACE	USB	USB 2.0	
	POWER	BATTERY	3.7V, 950mAh	LI-ION
		DC	DC 5V, 1000mA	OPTIONAL
DIMENSION	CAMERA DIMENSION		82 x 42 x 25mm	
	WEIGHT		92G	WITH BATTERY
	WATERPROOF CASE		29G	
OTHER SPEC	MOTION DETECTION		YES	
	TIME FILIES		YES	
	LOOP RECORD		YES	
	CONTINUOUS SHOT		YES	
	DIGITAL FOCUS		YES	
	TIME STAMP		YES	

	ITEM		PERFORMANCE	REMARK
	PICTURE FLIP		YES	180° upright
	AUTO SCREEN OFF		YES	
	LOW POWER PROTECTION		YES	
SPEC	AUTO POWER OFF		YES	5、10、20 MINS
	VIDEO RECORD	OPTIONAL SIZE	FULL HD1920 × 1080 30FPS	
			FULL HD1440 × 1080 30FPS	
			HD 1280 × 720 60FPS	
			HD 1280 × 720 30FPS	
			QVGA 848×480 60FPS	
	TAKE PICTURE	OPTIONAL SIZE	4000 × 3000 12MP 3200 × 2400 8MP 2592 × 1944 5MP	
	SOUND RECORD		YES	
PLAY BACK	PICTURE		YES	LANTERN SLIDE
	VIDEO FORMAT		MP4 H.264/MPEG4	
	PLAY SPEED		OPTIONAL	X1, X2,X 4,X 8

Note: Camera will lost warranty if disassembled or fall into water.

Please login www.jeasun.net for more product information.